

DEC 12 2006

DUANE MORRIS LLP  
101 WEST BROADWAY, SUITE 900  
SAN DIEGO, CA 92101  
PHONE: 619.744.2200  
FAX: 619.744.2201

N1085-00129  
TSMC2002-1115

## **FACSIMILE TRANSMITTAL SHEET**

In re application of: **Nan-Jung Chen et al.**

Examiner: **Joseph P. Hirl**

Serial No.: **10/804,647**

Group Art Unit: **2129**

Filed: **03/19/2004**

Confirmation No : **7757**

For: **METHOD OF ESTIMATING THE REMAINING LIFETIME OF A PART OF A SEMICONDUCTOR FABRICATION MACHINE BY FUZZY INTERFERENCE**

To: Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

FACSIMILE NUMBER: 571-273-8300

CONFIRMATION  
TELEPHONE:

FROM: Mark J. Marcelli

DIRECT DIAL: 619.744.2243

DATE: December 12, 2006

TOTAL # OF PAGES:  
(INCLUDING COVERSHEET)

MESSAGE: Attached is an Amendment.

NOTE: Original will not follow

### CONFIDENTIALITY NOTICE

THIS FACSIMILE TRANSMISSION IS PRIVILEGED AND CONFIDENTIAL AND IS INTENDED ONLY FOR THE REVIEW OF THE PARTY TO WHOM IT IS ADDRESSED. IF YOU HAVE RECEIVED THIS TRANSMISSION IN ERROR, PLEASE IMMEDIATELY TELEPHONE THE SENDER ABOVE TO ARRANGE FOR ITS RETURN, AND IT SHALL NOT CONSTITUTE WAIVER OF THE ATTORNEY-CLIENT PRIVILEGE.

If there is a problem with this transmission, please call us as soon as possible at 619.744.2200.

RECEIVED  
CENTRAL FAX CENTER

002/009

PATENT

DEC 12 2006 Attorney Doc. No.: N1085-00129

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/804,647

Confirmation No.: 7757

In re application of: Nan-Jung Chen et al.

Filed: March 19, 2004

Technology Center/Art Unit: 2129

Examiner: Joseph P. Hirl

Docket No.: N1085-00129

Customer No.: 54657

Title: METHOD OF ESTIMATING THE  
REMAINING LIFETIME OF A PART OF A  
SEMICONDUCTOR FABRICATION  
MACHINE BY FUZZY INTERFERENCE

I CERTIFY THAT THIS CORRESPONDENCE IS BEING  
TRANSMITTED VIA FACSIMILE TO THE UNITED STATES PATENT  
AND TRADEMARK OFFICE, N.D. 571-273-8300, ON

Dec. 12, 2006

Maria E. Piskorski  
SIGNATURE

Mail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT

Commissioner:

Responsive to the Non-Final Office Action dated September 15, 2006, please amend the  
above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2  
of this paper.

Remarks/Arguments begin on page 5 of this paper.